EMI DATA ELEMENTS Sample - proposed changes for ~~10/25/00~~ 11/29/00

TYPE: C = Character I = Integer

FIELD #	EMI FIELD NAME	FIELD DEFINITION	Field Size	Field Type	FORMAT	FIELD REQUIREMENT ~~Bundled Service~~ TO Direct Access Process # 1 Required = R Conditional = C Optional = O
1	UDC Name	The UDC where the meter(s) is to be installed as follows: ~~Ajo~~ **APS:** Arizona Public Service **CUC:** Citizens Utilities Company DVEC: Duncan Valley Electric Cooperative Inc GCEC: Graham County Electric Cooperative Inc MEC: Mohave Electric Cooperative Inc Morenci **NEC:** Navapache Electric Cooperative Inc **SRP:** Salt River Project **TEP:** Tucson Electric Power Company TRICO: Trico Electric Cooperative Inc	30	C		R
2	UDC Account Number	UDC account number for the customer	20	C		R
3	Customer Name	Name of the customer responsible for the account	42	C		R
4	Business Name	Business name of the account, if different from customer name	50	C		C
5	Service Address	Address of the metering site	50	C		R
6	City/Town/County	City/Town/County in which the metering site is located	30	C		R
7	Scheduling Options	Choose applicable code listed below: **1 = Meter Exchange** (remove and set a meter at the same time) **2 = Upgrade Meter** (modify functionality of existing meter with IDR, DPI and/or modem)	1	C	1 2	R
~~7~~8	DASR Tracking #	~~DASR (Direct Access Service Request) number~~ Unique number assigned by the orginator submitting the DASR (Direct Access Service Request). First 13 (9 + 4) digits are the originator's Duns # followed by 9 user-specified digits. All future communication about this transaction will contain this tracking number.	22	C		~~C~~R
~~8~~9	Transaction Ref #	Unique transaction identification number assigned by the originator of this transaction	30	C		R
~~9~~10	Read Cycle Number	UDC meter read cycle id	2	C		R
~~10~~11	Medical Monitoring (y/n)	Yes value indicates site has UDC medical monitoring	1	C	Y or N	R
~~11~~12	Site Meet Required (y/n)	Yes value indicates UDC must meet the MSP at the site. Site meet schedule date and time must be mutually agreed upon by MSP and UDC	1	C	Y or N	R
~~12~~13	Kvarh Meter Req'd (y/n)	Yes value indicates Kvarh meter at the site	1	C	Y or N	R

EMI DATA ELEMENTS Sample - proposed changes for ~~10/25/00~~ 11/29/00

TYPE: C = Character I = Integer

~~13~~14	Date EMI Sent	Date EMI Sent	10		YYYY/MM/DD	R
FIELD #	**EMI FIELD NAME**	**FIELD DEFINITION**	**Field Size**	**Field Type**	**FORMAT**	**FIELD REQUIREMENT** **Bundled Service TO Direct Access Process # 1** Required = R Conditional = C Optional = O
~~14~~15	Equip Purchase Auth (EPA) (y/n)	Yes value indicates an Equipment Purchase Authorization is an attachment related to this EMI.	1	C	Y or N	R
~~15~~16	Current Tariff Rate	Customer's billing rate for site	10	C		R
~~16~~17	DA Ready (y/n)	For SRP service area only; Yes value indicates necessary equipment is in place for Direct Access. Other UDCs enter N for No.	1	C	Y or N	~~C~~R
~~17~~18	Totalized / Combined Metering (y/n)	Yes value indicates metering site is totalized or combined with more than one meter and specialized equipment may be present.	1	C	Y or N	R
~~18~~19	# of meters for Site	Indicates number of meters associated with the site. An EMI is required for each meter.	2	C		R
~~19~~20	UNI - Universal Node ID	Unique permanent identification number assigned to each service delivery point of the UDC's distribution network	19	C		R
~~20~~21	AZ Meter Number	~~UDC meter number~~Unique number assigned by the UDC. Number located on face plate of meter	17	C		R
~~21~~22	Serial Number	Serial number on face plate of meter	10	C		R~~C~~
~~22~~23	Model/Meter Type	Meter type listed on face plate	10	C		R
~~23~~24	Meter Form	Meter form that contains condensed meter characteristics for the meter	3	C	No leading zeros	R
~~24~~25	Meter Class	Maximum of the watthour meter load range in amperes	3	C		R
~~25~~26	Meter Voltage	Voltage of the meter. Note if auto ranging	9	C	Auto or xxx/xxx	R
~~26~~27	Register Ratio	Number of revolutions of the gear meshing with the worm or pinion on the rotating element for one revolution of the first dial pointer	10	C		C
~~27~~28	IDR Meter (y/n)	Yes value indicates this is an IDR meter	1	C	Y or N	R
~~28~~29	Meter Pulse Constant Ke	Watthour per pulse value programmed into a solid state meter/recorder. Ke=Kh X R/I divided by 1000	6	C		C
~~29~~30	Meter Register Constant Kr	Multiplier applied to the register reading to obtain kilowatthours(does **not** include CT/VT ratios)	2	C		C
~~30~~31	Meter Disk Constant Kh	Number of watthours represented by one revolution of the disk.	4	C	No leading zeros	R
~~31~~32	Meter Multiplier	Multiplier applied to the register reading to obtain kilowatthours including the CT and VT ratios	6	C	No leading zeros	R
~~32~~33	KYZ Output	Number of external output pulses per disk revolution or equivalent (R/I, M/P, etc)	5	C	Required if Ke exists	C

EMI DATA ELEMENTS Sample - proposed changes for ~~10/25/00~~ 11/29/00

TYPE: C = Character I = Integer

~~33~~34	Number of service wires	Number of wires of the service	1	C		R

FIELD #	EMI FIELD NAME	FIELD DEFINITION	Field Size	Field Type	FORMAT	FIELD REQUIREMENT Bundled Service TO Direct Access Process # 1 Required = R Conditional = C Optional = O
~~34~~35	Delta/Wye	Transformer configuration of the service. *For 3 phase/3 wire, use Delta *For 3 phase/4 wire, use Delta or Wye (choose the appropriate configuration)	1	C	D or W Use Y in SRP service area instead of W	C
~~35~~36	Service Voltage	Voltage of the service point	10	C		R
~~36~~37	XFMR Loss Comp (y/n)	Yes value indicates compensation incorporated in actual meter programming	1	C	Y or N	R
~~37~~	~~Current UDC~~	~~Name of the Utility Distribution Company where meter(s) will be installed~~				~~C~~
38	Current ESP	Name of ~~Energy~~ Electric Service Provider currently servicing site (if applicable) use standard acronym	30	C		C
39	Current MSP	Name of Meter Service Provider currently servicing site (if applicable) use standard acronym	30	C		C
40	Current MRSP	Name of Meter Reading Service Provider currently servicing site (if applicable) use standard acronym	30	C		C
41	Current Meter Owner	Specific name of current meter owner	30			R
~~41~~42	Pending ESP	Name of ~~Energy~~ Electric Service Provider submitted on DASR	30	C		~~C~~R
~~42~~43	Pending MSP	Name of Meter Service Provider submitted on DASR (if applicable)	30	C		~~C~~R
~~43~~44	Pending MRSP	Name of Meter Reading Serivce Provider submitted on DASR	30	C		~~C~~R
~~44~~45	Pending Meter Owner	Generic name of pending meter owner **U~~DC~~:** Utility Distribution Company **E~~SP~~:** ~~Energy~~ Electric Service Provider **M~~SP~~:** Meter Service Provider **C~~UST~~:** Customer	1	C	U~~DC~~ E~~SP~~ M~~SP~~ C~~UST~~	~~C~~R
~~45~~46	Meter Phone #	Telephone number attached to the meter or recorder used to upload meter site information	15	C	No formatting i.e. 1112223333# 44	C

TYPE: C = Character I = Integer

~~46~~47	Communication Owner	Generic name of owner of phone line, phone number, etc. **U:** Utility Distribution Company **E:** ~~Energy~~ Electric Service Provider **M:** Meter Service Provider **C:** Customer	1	C	U~~DC~~ E~~SP~~ M~~SP~~ C~~UST~~	C
~~47~~	~~Cell Phone (y/n)~~	~~Yes value indicates meter communication via cell phone~~			~~Y or N~~	~~R~~
~~48~~	~~Shared Phone line (y/n)~~	~~Yes value indicates meter is sharing lines with other devices; i.e. fax machine, handset, etc.~~			~~Y or N~~	~~R~~
FIELD #	**EMI FIELD NAME**	**FIELD DEFINITION**	**Field Size**	**Field Type**	**FORMAT**	**FIELD REQUIREMENT** **Bundled Service TO Direct Access Process # 1** Required = R Conditional = C Optional = O
~~49~~	~~Dedicated Phn line (y/n)~~	~~Yes value indicates line dedicated to meter communication~~			~~Y or N~~	~~R~~
~~50~~	~~Radio Comm (y/n)~~	~~Yes value indicates meter has a radio communicator that passes data through radio waves~~			~~Y or N~~	~~R~~
48	Communication Type	If applicable, use one of the following codes: **C** = Cell Phone **S** = Shared phone line **D** = Dedicated phone line **R** = Radio communication	1	C	C S D R	C
~~51~~49	Meter Location:	Where meter is located at site (i.e. N/S/E/W, basement, pole etc.)	250	C		C
~~52~~50	Mtr Reading Instructions	Additional information for locating meter, site surroundings and access issues	250	C		C
~~53~~	~~Exchange Meter~~	~~Removing and setting a meter at the same time~~			~~X~~	~~C~~
~~54~~	~~Upgrade Meter~~	~~Modify functionality of existing meter with IDR, DPI and/or modem~~			~~X~~	~~C~~
~~55~~51	CT Ratio (PHS 1-2-3)	Current Transformer Ratio between primary and secondary current	10	C		C
~~56~~52	CT Type (PHS 1-2-3)	CT type listed on face plate	10	C		C
~~57~~53	CT ID# (PHS 1-2-3)	Unique number assigned by UDC	10	C		C
~~58~~54	CT Serial # (PHS 1-2-3)	Manufacturer serial number listed on CT face plate	10	C		C
~~59~~55	VT Ratio (PHS 1-2-3)	Voltage Transformer Ratio between primary and secondary voltage	10	C		C
~~60~~56	VT Type (PHS 1-2-3)	VT type listed on face plate	10	C		C
~~61~~57	VT ID # (PHS 1-2-3)	Unique number assigned by UDC	10	C		C
~~62~~58	VT Serial # (PHS 1-2-3)	Manufacturer serial number listed on VT face plate	10	C		C
~~63~~59	Add'l Info / Remarks	Additional pertinent information on existing meter~~., such as specialized equipment and any general comments~~ Field to be used to specify voltage monitoring, special or electrical monitoring equipment or more detail for rural area sites	250	C		C